I claim:

A pressure-sensitive variable-conductance

- with tactile feedback, comprising;
 - a housing;

at least two conductive elements fixed to said housing and in-part within said housing;

a depressible actuator retained by said housing and in-part exposed external to said housing;

a resilient snap-through dome-cap positioned within said housing and depressible with force from said actuator applied to said dome-cap to cause said dome-cap to snapthrough and create a tactile feedback;

pressure-sensitive variable-conductance material within said housing and positioned as a variably conductive element electrically between said two conductive elements, and further positioned for receiving force applied to said dome-cap, whereby electrical conductivity of said pressure-sensitive variableconductance material is altered relative to received force and electrical output of said sensor is variable.

- A pressure-sensitive variable-conductance, sensor with tactile feedback in accordance with claim 1 wherein said two conductive elements are of high and relatively constant conductivity.
- A pressure-sensitive variable-conductance sensor with tactile feedback in accordance with claim 2 wherein said pressure-sensitive variable-conductance material is variable in terms of electrical resistivity, the electrical resistivity of said pressure-sensitive variable-conductance material lowering with received force thereon.

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4. A pressure-sensitive variable-conductance sensor with tactile feedback in accordance with claim 3 wherein said housing is formed of non-conductive plastics.

5. An improved pressure-sensitive variableconductance, sensor of the type having at least two
electrically conductive elements operationally connected
to pressure-sensitive variable-conductance material; a
depressible actuator retained relative to said pressuresensitive variable-conductance material; said actuator
depressible toward said pressure-sensitive variableconductance material for transferring force into said
pressure-sensitive variable-conductance material;

wherein the improvement comprises:

a resilient snap-through dome-cap positioned to provide tactile feedback to a user upon actuation of said pressure-sensitive variable-conductance material.

- 6. An improved pressure-sensitive variableconductance sensor in accordance with claim 5 wherein said
 snap-through dome-cap is positioned between said actuator
 and said pressure-sensitive variable-conductance material.
- 7. An improved momentary-On snap-through switch package of the type having a housing; at least two conductive elements fixed to said housing and in-part within said housing and at least in-part exposed external of said housing; a resilient snap-through dome-cap positioned within said housing; a depressible actuator retained by said housing and in-part exposed external to said housing; said actuator depressible for depressing said dome-cap and creating a highly conductive electrical path between said two conductive elements;

wherein the improvement comprises:

pressure-sensitive variable-conductance material within said housing and positioned for creating a variably

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conductive electrical path between said two conductive elements upon variable depression of said dome-cap.

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8. A pressure-sensitive variable-conductance sensor with tactile feedback in accordance with claim 7 wherein said pressure-sensitive variable-conductance material is variable in terms of electrical resistivity, the electrical resistivity of said pressure-sensitive and variable-conductance material lowering with received force thereon.

9. A method of manufacturing a pressure-sensitive variable-conductance sensor with tactile feedback, comprising the steps of:

- a) forming two conductive elements;
- b) forming a housing engaging said two conductive elements, and leaving a portion of said two conductive elements exposed external of said housing;
- c) installing pressure-sensitive variable-conductance material positioned as a variably conductive element electrically between said two conductive elements;
- d) installing a resilient tactile feedback dome-cap positioned within said housing and operationally associated with said pressure-sensitive variable-conductance material;
- e) installing an actuator in-part within said housing and in-part exposed external of said housing and positioned for transferring externally applied force onto said actuator through said dome-cap and onto said pressure-sensitive variable-conductance material.
- 10. An improved method of manufacturing a sensor of the type comprising the steps of: forming two conductive elements; forming a housing engaging said two conductive elements, and leaving a portion of said two conductive elements exposed external of said housing; installing an

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actuator in-part within said housing and in-part exposed external of said housing; installing a resilient snap-through dome-cap positioned within said housing;

wherein the improvement comprises the step of:

analog

installing pressure-sensitive variable-conductance

material positioned as a variably conductive element

electrically between said two conductive elements.

an improved method of manufacturing a pressure-sensitive variable-conductance sensor, comprising the steps of: forming two conductive elements; locating pressure-sensitive variable-conductance material positioned as a variably conductive element electrically between said two conductive elements; positioning an actuator for transferring externally applied force onto said pressure-sensitive variable-conductance material;

wherein the improvement comprises the step of;
positioning a resilient tactile feedback dome-cap
operationally associated with said pressure-sensitive
variable-conductance material.

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